

WHAT IS CLAIMED IS:

1. An integrated antenna for a portable computer, the portable computer having a display and a display frame, the integrated antenna mounted on the display frame, the integrated antenna comprising:

a first radiating metal strip, for providing a first resonance;

5 a second radiating metal strip, disposed adjacent to the first radiating metal strip and spaced at a distance therefrom for providing a second resonance;

a ground plane, disposed adjacent to the second radiating metal strip and spaced at a distance therefrom;

10 at least one first connecting metal strip, connecting to the first radiating metal strip and the second radiating metal strip; and

a second connecting metal strip, connecting to the second radiating metal strip and the ground plane.

2. The integrated antenna according to Claim 1, further comprising a substrate having a first surface and at least one connecting portion; the first radiating metal strip, the second radiating metal strip, the ground plane, the first connecting metal strip and the second connecting
5 metal strip being formed on the first surface of the substrate, the connecting portion being used for connecting to the display frame of the portable computer.

3. The integrated antenna according to Claim 1, wherein the second radiating metal strip further comprises a feed portion for connecting a signal terminal of a coaxial cable, and the ground plane further comprises

a ground portion for connecting a ground terminal of the coaxial cable.

4. The integrated antenna according to Claim 1, wherein the first radiating metal strip is spaced at a distance from the second radiating metal strip, and is substantially parallel to the second radiating metal strip.

5. The integrated antenna according to Claim 1, wherein the second radiating metal strip is spaced at a distance from the ground plane, and is substantially parallel to the ground plane.

6. The integrated antenna according to Claim 1, wherein the first radiating metal strip further comprises a first extending portion extending toward the ground plane, and the second radiating metal strip further comprises a second extending portion extending toward the first radiating metal strip.

7. The integrated antenna according to Claim 1, wherein the connecting portion has a hole penetrating through the substrate, and the hole is used to receive a screw to fix the integrated antenna on the display frame of the portion computer.